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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: HA-80 (HAL-ID 128)

Appl. No.: 09/442,363

Applicants: Larry PEARLSTEIN, Sharif M. SAZZAD

Filed: November 18, 1999

Title: METHODS AND APPARATUS FOR DECODING IMAGES USING  
DEDICATED HARDWARE CIRCUITRY AND A PROGRAMMABLE  
PROCESSOR

TC/A.U.: 2613

Examiner: Charles E. Parsons

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

Sir:

In response to the Final Office Action April 22, 2004, which set a period for response to expire on July 22, 2004, please amend the application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.

Please type a plus sign (+) inside this box ---> 

Modified PTO/SB/21 (08-00)


Approved for use through 10/31/2002. OMB 0651-0031


U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|  |                             |  |
|--|-----------------------------|--|
| <b>TRANSMITTAL<br/>FORM</b><br><br><i>(to be used for all correspondence after initial filing)</i> | <b>Application Number</b>   | 09/442,363                                       |
|  | <b>Filing Date</b>          | November 18, 1999                                |
|  | <b>First Named Inventor</b> | Larry PEARLSTEIN                                 |
|  | <b>Group Art Unit</b>       | 2613   |
|  | <b>Examiner Name</b>        | Charles E. Parsons                               |
| <b>Total Number of Pages in This Submission</b>  |                             | <b>Attorney Docket Number</b> HA-80 (HAL-ID 128) |

| ENCLOSURES <i>(check all that apply)</i>   |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> <b>Fee Transmittal Form</b><br><input type="checkbox"/> Fee Attached<br><br><input checked="" type="checkbox"/> <b>Amendment / Reply</b><br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers <i>(for an Application)</i><br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence<br>Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i><br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Postcard Receipt<br><input type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> |
| Remarks <span style="border: 1px solid black; display: inline-block; width: 300px; height: 40px; vertical-align: top;"></span>   |  |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |
|--|---|
| Firm<br>or<br>Individual name              | Michael P. Straub (Reg. No. 36,941)   |
| Signature                                  |  |
| Date                                       | June 22, 2004   |

| CERTIFICATE OF FACSIMILE   |   |      |               |
|--|---|------|---------------|
| I hereby certify that this correspondence is being facsimile transmitted to the United States Patents and Trademark Office on this date: <span style="border: 1px solid black; padding: 2px;">June 22, 2004</span> |   |      |               |
| Typed or printed name  | Michael P. Straub   |      |               |
| Signature  |  | Date | June 22, 2004 |

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PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2004

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 00.00)

## Complete if Known

|                      |                    |
|----------------------|--------------------|
| Application Number   | 09/442,363         |
| Filing Date          | November 18, 1999  |
| First Named Inventor | Larry PEARLSTEIN   |
| Examiner Name        | Charles E. Parsons |
| Art Unit             | 2613               |
| Attorney Docket No.  | HA-80 (HAL-ID 128) |

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

 Deposit Account Number  
 Deposit Account Name

50-1049

Straub &amp; Pokotylo

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) due in connection with the filing submitted herewith

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid   |
|--------------|----------|--------------|----------|------------------------|------------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |            |
| 1001         | 770      | 2001         | 385      | Utility filing fee     |            |
| 1002         | 340      | 2002         | 170      | Design filing fee      |            |
| 1003         | 530      | 2003         | 265      | Plant filing fee       |            |
| 1004         | 770      | 2004         | 385      | Reissue filing fee     |            |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |            |
| SUBTOTAL (1) |          |              |          |                        | (\$ 00.00) |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

|                    |  |         |  |   |  |   |  |
|--------------------|--|---------|--|---|--|---|--|
| Total Claims       |  | -20** = |  | X |  | = |  |
| Independent Claims |  | -3** =  |  | X |  | = |  |
| Multiple Dependent |  |         |  |   |  | = |  |

| Large Entity |          | Small Entity |          | Fee Description   | Fee Paid   |
|--------------|----------|--------------|----------|---|------------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |            |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                    |            |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                         |            |
| 1203         | 290      | 2203         | 145      | Multiple dependent claim, if not paid                     |            |
| 1204         | 86       | 2204         | 43       | **Reissue independent claims over original patent         |            |
| 1205         | 18       | 2205         | 9        | **Reissue claims in excess of 20 and over original patent |            |
| SUBTOTAL (2) |          |              |          |   | (\$ 00.00) |

\*\*or number previously paid, if greater, For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 1051     | 130      | 2051     | 65       | Surcharge - late filing fee or oath  |          |
| 1052     | 50       | 2052     | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053     | 130      | 1053     | 130      | Non-English specification  |          |
| 1812     | 2,520    | 1812     | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804     | 920*     | 1804     | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805     | 1,840*   | 1805     | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251     | 110      | 2251     | 55       | Extension for reply within first month                                     |          |
| 1252     | 420      | 2252     | 210      | Extension for reply within second month                                    |          |
| 1253     | 950      | 2253     | 475      | Extension for reply within third month                                     |          |
| 1254     | 1,480    | 2254     | 740      | Extension for reply within fourth month                                    |          |
| 1255     | 2,010    | 2255     | 1,005    | Extension for reply within fifth month                                     |          |
| 1401     | 330      | 2401     | 165      | Notice of Appeal   |          |
| 1402     | 330      | 2402     | 165      | Filing a brief in support of an appeal                                     |          |
| 1403     | 290      | 2403     | 145      | Request for oral hearing   |          |
| 1451     | 1,510    | 1451     | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452     | 110      | 2452     | 55       | Petition to revive - unavoidable   |          |
| 1453     | 1,330    | 2453     | 665      | Petition to revive - unintentional   |          |
| 1501     | 1,330    | 2501     | 665      | Utility issue fee (or reissue)   |          |
| 1502     | 480      | 2502     | 240      | Design issue fee   |          |
| 1503     | 640      | 2503     | 320      | Plant issue fee  |          |
| 1460     | 130      | 1460     | 130      | Petitions to the Commissioner  |          |
| 1807     | 50       | 1807     | 50       | Processing fee under 37 CFR 1.17(c)  |          |
| 1806     | 180      | 1806     | 180      | Submission of Information Disclosure                                       |          |
| 8021     | 40       | 8021     | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809     | 770      | 2809     | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810     | 770      | 2810     | 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801     | 770      | 2801     | 385      | Request for Continued Examination (RCE)                                    |          |
| 1802     | 900      | 1802     | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 00.00)

## SUBMITTED BY

|                   |                          |                                   |               |           |                |
|-------------------|--------------------------|-----------------------------------|---------------|-----------|----------------|
| Name (Print/Type) | Michael P. Straub        | Registration No. (Attorney/Agent) | 36,941        | Telephone | (732) 542-9070 |
| Signature         | <i>Michael P. Straub</i> | Date                              | June 22, 2004 |           |                |

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FACSIMILE COVER SHEET

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To: U.S. Patent and Trademark Office  
Examiner: Charles E. Parsons

Facsimile No.: (703) 872-9306

Telephone No.:

From: Michael P. Straub, Esq.

Date: June 22, 2004

Number of Pages Including Cover: 15

MESSAGE: FORMAL SUBMISSION OF:  
1) Transmittal Form;  
2) Fee Transmittal Form; and  
3) Amendment

Attorney Docket No.: (DMSL)HA-80 (HAL-ID 128)  
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Examiner: Charles E. Parsons  
Group Art Unit: 2613

## CERTIFICATE OF FACSIMILE TRANSMISSION

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Michael P. Straub  
Signature

June 22, 2004  
Date